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HTTP Header Field Registrations

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Abstract

This document defines the initial contents of a permanent IANA registry for HTTP header fields and a provisional repository for HTTP header fields, per RFC 3864.

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1. Introduction

HTTP/1.0 [3] and HTTP/1.1 [11] define protocol constructs (respectively, the HTTP-header and message-header BNF rules) that are used as message headers. These specifications also define a number of HTTP headers themselves, and they provide for extension through the use of new field-names.

This document defines the initial contents of an IANA registry that catalogs permanent HTTP header field-names, and of an IANA repository that catalogs provisional HTTP header field-names. Both are operated according to Registration Procedures for Message Header Fields [1].

Note that neither tracks the syntax or semantics of field-values. Also, while some HTTP headers have different semantics depending on their context (e.g., Cache-Control in requests and responses), both registries consider the HTTP header field-name name space singular.

Also, some contact details listed may no longer be correct.

2. Registration Templates

Header field entries are summarized in tabular form for convenience of reference and presented in full in the following sections.

2.1. Permanent HTTP Header Field Registrations

Header name	Protocol
A-IM	http
Accept	http
Accept-Additions	http
Accept-Charset	http
Accept-Encoding	http
Accept-Features	http
Accept-Language	http
Accept-Ranges	http
Age	http
Allow	http
Alternates	http
Authentication-Info	http
Authorization	http
C-Ext	http
C-Man	http
C-Opt	http
C-PEP	http
C-PEP-Info	http
Cache-Control	http
Connection	http
Content-Base	http
Content-Disposition	http
Content-Encoding	http
Content-ID	http
Content-Language	http
Content-Length	http
Content-Location	http
Content-MD5	http
Content-Range	http
Content-Script-Type	http
Content-Style-Type	http
Content-Type	http
Content-Version	http
Cookie	http
Cookie2	http
DAV	http
Date	http
Default-Style	http
Delta-Base	http
Depth	http
Derived-From	
Destination	http http
Differential-ID	_
	http
Digest	http

ETag	http
Expect	http
Expires	http
Ext	http
From	http
GetProfile	http
Host	http
IM	http
If	http
If-Match	http
If-Modified-Since	http
If-None-Match	http
If-Range	http
If-Unmodified-Since	http
Keep-Alive	http
Label	http
Last-Modified	http
Link	http
Location	http
Lock-Token	http
MIME-Version	http
Man	http
Max-Forwards	http
Meter	http
Negotiate	http
Opt	http
Ordering-Type	http
Overwrite	http
P3P	http
PEP	http
PICS-Label	http
Pep-Info	http
Position	http
Pragma	http
ProfileObject	http
Protocol	http
Protocol-Info	http
Protocol-Query	http
Protocol-Request	http
Proxy-Authenticate	http
Proxy-Authentication-Info	
Proxy-Authorization	http
Proxy-Features	http
Proxy-Instruction	http
Public	http
Range	http
Referer	http
Retry-After	http

```
Safe
                           http
Security-Scheme
                           http
Server
Set-Cookie
Set-Cookie2
SetProfile
SoapAction
Status-URI
                           http
                           http
                           http
                          http
                           http
Status-URI
                           http
Surrogate-Capability http
Surrogate-Control http
Surrogate-Control
                           http
TCN
                           http
TE
                           http
Timeout
                           http
                           http
Trailer
Transfer-Encoding
                          http
                           http
URI
                           http
Upgrade
                       http
http
http
User-Agent
Variant-Vary
Vary
Via
                           http
WWW-Authenticate http
Want-Digest http
Warning
                           http
```

2.1.1. Header field: A-IM

Applicable protocol: http [11]

Status: standard

Author/change controller: IETF (iesg@ietf.org)

Internet Engineering Task Force

Specification document(s): RFC3229 [16]

```
2.1.2. Header field: Accept
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.3. Header field: Accept-Additions
  Applicable protocol: http [11]
  Status: informational
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2324 [9]
  Related information: spoof
2.1.4. Header field: Accept-Charset
  Applicable protocol: http [11]
```

Status: standard

Author/change controller: IETF (iesg@ietf.org) Internet Engineering Task Force

Specification document(s): RFC2616 [11]

```
2.1.5. Header field: Accept-Encoding
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.6. Header field: Accept-Features
  Applicable protocol: http [11]
  Status: experimental
  Author/change controller:
     Andrew H. Mutz (mutz@hpl.hp.com)
     Koen Holtman (koen@win.tue.nl)
   Specification document(s):
     RFC2295 [7]
2.1.7. Header field: Accept-Language
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
```

```
2.1.8. Header field: Accept-Ranges
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.9. Header field: Age
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.10. Header field: Allow
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesq@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.11. Header field: Alternates
  Applicable protocol: http [11]
  Status: experimental
```

```
Author/change controller:
     Andrew H. Mutz (mutz@hpl.hp.com)
     Koen Holtman (koen@win.tue.nl)
  Specification document(s):
     RFC2295 [7]
2.1.12. Header field: Authentication-Info
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
      IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2617 [12]
2.1.13. Header field: Authorization
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.14. Header field: C-Ext
  Applicable protocol: http [11]
  Status: experimental
  Author/change controller:
     Henrik Frystyk Nielsen (frystyk@microsoft.com)
     Paul J. Leach (paulle@microsoft.com)
     Scott Lawrence (lawrence@agranat.com)
   Specification document(s):
     RFC2774 [14]
```

```
2.1.15. Header field: C-Man
  Applicable protocol: http [11]
  Status: experimental
  Author/change controller:
     Henrik Frystyk Nielsen (frystyk@microsoft.com)
     Paul J. Leach (paulle@microsoft.com)
     Scott Lawrence (lawrence@agranat.com)
   Specification document(s):
     RFC2774 [14]
2.1.16. Header field: C-Opt
  Applicable protocol: http [11]
  Status: experimental
  Author/change controller:
     Henrik Frystyk Nielsen (frystyk@microsoft.com)
     Paul J. Leach (paulle@microsoft.com)
     Scott Lawrence (lawrence@agranat.com)
   Specification document(s):
     RFC2774 [14]
2.1.17. Header field: C-PEP
  Applicable protocol: http [11]
  Status: deprecated
  Author/change controller:
     Henrik Frystyk Nielsen (frystyk@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Dan Connolly (connolly@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Rohit Khare (khare@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Eric Prud'hommeaux (eric@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
   Specification document(s):
     PEP [29]
```

```
2.1.18. Header field: C-PEP-Info
  Applicable protocol: http [11]
  Status: deprecated
  Author/change controller:
     Henrik Frystyk Nielsen (frystyk@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Dan Connolly (connolly@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Rohit Khare (khare@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Eric Prud'hommeaux (eric@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Specification document(s):
        PEP [29]
2.1.19. Header field: Cache-Control
  Applicable protocol: http [11]
   Status: standard
   Author/change controller:
      IETF (iesg@ietf.org)
      Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.20. Header field: Connection
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
```

```
2.1.21. Header field: Content-Base
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2068 [4]
2.1.22. Header field: Content-Disposition
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.23. Header field: Content-Encoding
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.24. Header field: Content-ID
  Applicable protocol: http [11]
  Status: informational
```

```
Author/change controller:
     Arthur van Hoff (avh@marimba.com)
     Marimba Inc.
     John Giannandrea (jg@netscape.com)
     Netscape Inc.
     Mark Hapner (mark.hapner@sun.com)
     Sun Microsystems Inc.
     Steve Carter (srcarter@novell.com)
     Novell Inc.
     Milo Medin (medin@home.net)
     At Home Corp
   Specification document(s):
     DRP [20]
2.1.25. Header field: Content-Language
  Applicable protocol: http [11]
   Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.26. Header field: Content-Length
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.27. Header field: Content-Location
  Applicable protocol: http [11]
  Status: standard
```

```
Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.28. Header field: Content-MD5
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
      IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.29. Header field: Content-Range
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.30. Header field: Content-Script-Type
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     W3C (web-human@w3.org)
     World Wide Web Consortium
   Specification document(s):
     HTML 4 [21]
```

```
2.1.31. Header field: Content-Style-Type
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     W3C (web-human@w3.org)
     World Wide Web Consortium
   Specification document(s):
     HTML 4 [21]
2.1.32. Header field: Content-Type
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.33. Header field: Content-Version
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2068 [4]
2.1.34. Header field: Cookie
  Applicable protocol: http [11]
  Status: standard
```

```
Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2965 [15]
2.1.35. Header field: Cookie2
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
      IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2965 [15]
2.1.36. Header field: DAV
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2518 [10]
2.1.37. Header field: Date
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
```

```
2.1.38. Header field: Default-Style
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     W3C (web-human@w3.org)
     World Wide Web Consortium
   Specification document(s):
     HTML 4 [21]
2.1.39. Header field: Delta-Base
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC3229 [16]
2.1.40. Header field: Depth
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2518 [10]
2.1.41. Header field: Derived-From
  Applicable protocol: http [11]
  Status: standard
```

```
Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
  Specification document(s):
     RFC2068 [4]
2.1.42. Header field: Destination
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
      IETF (iesg@ietf.org)
     Internet Engineering Task Force
  Specification document(s):
     RFC2518 [10]
2.1.43. Header field: Differential-ID
  Applicable protocol: http [11]
  Status: informational
  Author/change controller:
     Arthur van Hoff (avh@marimba.com)
     Marimba Inc.
     John Giannandrea (jg@netscape.com)
     Netscape Inc.
     Mark Hapner (mark.hapner@sun.com)
     Sun Microsystems Inc.
     Steve Carter (srcarter@novell.com)
     Novell Inc.
     Milo Medin (medin@home.net)
     At Home Corp
  Specification document(s):
     DRP [20]
2.1.44. Header field: Digest
  Applicable protocol: http [11]
  Status: standard
```

```
Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC3230 [17]
2.1.45. Header field: ETag
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
      IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.46. Header field: Expect
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.47. Header field: Expires
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
```

```
2.1.48. Header field: Ext
  Applicable protocol: http [11]
  Status: experimental
  Author/change controller:
     Henrik Frystyk Nielsen (frystyk@microsoft.com)
     Paul J. Leach (paulle@microsoft.com)
     Scott Lawrence (lawrence@agranat.com)
   Specification document(s):
     RFC2774 [14]
2.1.49. Header field: From
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
      IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.50. Header field: GetProfile
  Applicable protocol: http [11]
  Status: informational
  Author/change controller:
     Pat Hensley (hensley@firefly.net)
     FireFly Network, Inc.
     Max Metral (max@firefly.net)
     FireFly Network, Inc.
     Upendra Shardanand (shard@firefly.net)
     FireFly Network, Inc.
     Donna Converse (converse@netscape.com)
     Netscape Communications
     Mike Myers (mmyers@verisign.com)
     Verisign, Inc.
   Specification document(s):
     OPS over HTTP [22]
```

```
2.1.51. Header field: Host
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.52. Header field: IM
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC3229 [16]
2.1.53. Header field: If
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2518 [10]
2.1.54. Header field: If-Match
  Applicable protocol: http [11]
```

Status: standard

```
Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.55. Header field: If-Modified-Since
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
      IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.56. Header field: If-None-Match
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.57. Header field: If-Range
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
```

```
2.1.58. Header field: If-Unmodified-Since
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.59. Header field: Keep-Alive
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2068 [4]
2.1.60. Header field: Label
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC3253 [18]
2.1.61. Header field: Last-Modified
  Applicable protocol: http [11]
  Status: standard
```

```
Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.62. Header field: Link
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
      IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2068 [4]
2.1.63. Header field: Location
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.64. Header field: Lock-Token
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2518 [10]
```

```
2.1.65. Header field: MIME-Version
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.66. Header field: Man
  Applicable protocol: http [11]
  Status: experimental
  Author/change controller:
     Henrik Frystyk Nielsen (frystyk@microsoft.com)
     Paul J. Leach (paulle@microsoft.com)
     Scott Lawrence (lawrence@agranat.com)
   Specification document(s):
     RFC2774 [14]
2.1.67. Header field: Max-Forwards
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.68. Header field: Meter
  Applicable protocol: http [11]
  Status: standard
```

```
Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2227 [6]
2.1.69. Header field: Negotiate
  Applicable protocol: http [11]
  Status: experimental
  Author/change controller:
     Andrew H. Mutz (mutz@hpl.hp.com)
     Koen Holtman (koen@win.tue.nl)
   Specification document(s):
     RFC2295 [7]
2.1.70. Header field: Opt
  Applicable protocol: http [11]
  Status: experimental
  Author/change controller:
     Henrik Frystyk Nielsen (frystyk@microsoft.com)
     Paul J. Leach (paulle@microsoft.com)
     Scott Lawrence (lawrence@agranat.com)
   Specification document(s):
     RFC2774 [14]
2.1.71. Header field: Ordering-Type
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC3648 [19]
```

```
2.1.72. Header field: Overwrite
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2518 [10]
2.1.73. Header field: P3P
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     W3C (web-human@w3.org)
     World Wide Web Consortium
   Specification document(s):
     P3P [23]
2.1.74. Header field: PEP
  Applicable protocol: http [11]
  Status: deprecated
  Author/change controller:
     Henrik Frystyk Nielsen (frystyk@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Dan Connolly (connolly@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Rohit Khare (khare@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Eric Prud'hommeaux (eric@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
   Specification document(s):
     PEP [29]
```

2.1.75. Header field: PICS-Label

```
Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     W3C (web-human@w3.org)
     World Wide Web Consortium
   Specification document(s):
     PICSLabels [24]
2.1.76. Header field: Pep-Info
  Applicable protocol: http [11]
   Status: deprecated
  Author/change controller:
     Henrik Frystyk Nielsen (frystyk@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Dan Connolly (connolly@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Rohit Khare (khare@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
     Eric Prud'hommeaux (eric@w3.org)
     World Wide Web Consortium, MIT Laboratory for Computer Science
   Specification document(s): PEP [29]
2.1.77. Header field: Position
     Applicable protocol: http [11]
     Status: standard
     Author/change controller:
        IETF (iesg@ietf.org)
        Internet Engineering Task Force
      Specification document(s):
        RFC3648 [19]
```

```
2.1.78. Header field: Pragma
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.79. Header field: ProfileObject
  Applicable protocol: http [11]
   Status: informational
  Author/change controller:
     Pat Hensley (hensley@firefly.net)
     FireFly Network, Inc.
     Max Metral (max@firefly.net)
     FireFly Network, Inc.
     Upendra Shardanand (shard@firefly.net)
     FireFly Network, Inc.
     Donna Converse (converse@netscape.com)
     Netscape Communications
     Mike Myers (mmyers@verisign.com)
     Verisign, Inc.
   Specification document(s):
     OPS over HTTP [22]
2.1.80. Header field: Protocol
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     W3C (web-human@w3.org)
     World Wide Web Consortium
   Specification document(s):
     PICSLabels [24]
```

```
2.1.81. Header field: Protocol-Info
  Applicable protocol: http [11]
  Status: deprecated
  Author/change controller:
     Don Eastlake (dee@cybercash.com)
     Rohit Khare (khare@w3.org)
     Jim Miller (jmiller@w3.org)
   Specification document(s):
      Selecting Payment Mechanisms [26]
2.1.82. Header field: Protocol-Query
  Applicable protocol: http [11]
  Status: deprecated
  Author/change controller:
     Don Eastlake (dee@cybercash.com)
     Rohit Khare (khare@w3.org)
     Jim Miller (jmiller@w3.org)
   Specification document(s):
      Selecting Payment Mechanisms [26]
2.1.83. Header field: Protocol-Request
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     W3C (web-human@w3.org)
     World Wide Web Consortium
   Specification document(s):
     PICSLabels [24]
2.1.84. Header field: Proxy-Authenticate
  Applicable protocol: http [11]
```

Status: standard

```
Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.85. Header field: Proxy-Authentication-Info
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2617 [12]
2.1.86. Header field: Proxy-Authorization
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesq@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.87. Header field: Proxy-Features
  Applicable protocol: http [11]
  Status: informational
  Author/change controller:
     Phillip M. Hallam-Baker (hallam@w3.org)
     W3C
   Specification document(s):
     Proxy Notification [27]
```

```
2.1.88. Header field: Proxy-Instruction
  Applicable protocol: http [11]
  Status: informational
  Author/change controller:
     Phillip M. Hallam-Baker (hallam@w3.org)
  Specification document(s):
     Proxy Notification [27]
2.1.89. Header field: Public
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2068 [4]
2.1.90. Header field: Range
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesq@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.91. Header field: Referer
  Applicable protocol: http [11]
  Status: standard
```

```
Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
  Specification document(s):
     RFC2616 [11]
2.1.92. Header field: Retry-After
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
  Specification document(s):
     RFC2616 [11]
2.1.93. Header field: Safe
  Applicable protocol: http [11]
  Status: experimental
  Author/change controller:
     Koen Holtman (koen@win.tue.nl)
   Specification document(s):
     RFC2310 [8]
2.1.94. Header field: Security-Scheme
  Applicable protocol: http [11]
  Status: experimental
  Author/change controller:
     Eric Rescorla (ekr@rtfm.com)
     A. Schiffman (ams@terisa.com)
   Specification document(s):
     RFC2660 [13]
```

```
2.1.95. Header field: Server
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.96. Header field: Set-Cookie
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2109 [5]
2.1.97. Header field: Set-Cookie2
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2965 [15]
2.1.98. Header field: SetProfile
  Applicable protocol: http [11]
```

Status: informational

```
Author/change controller:
     Pat Hensley (hensley@firefly.net)
     FireFly Network, Inc.
     Max Metral (max@firefly.net)
     FireFly Network, Inc.
     Upendra Shardanand (shard@firefly.net)
     FireFly Network, Inc.
     Donna Converse (converse@netscape.com)
     Netscape Communications
     Mike Myers (mmyers@verisign.com)
     Verisign, Inc.
   Specification document(s):
     OPS over HTTP [22]
2.1.99. Header field: SoapAction
  Applicable protocol: http [11]
   Status: informational
  Author/change controller:
     Don Box (dbox@develop.com)
     DevelopMentor
     David Ehnebuske (davide@us.ibm.com)
     Gopal Kakivaya (gopalk@microsoft.com)
     Microsoft
     Andrew Layman (andrewl@microsoft.com)
     Microsoft
     Noah Mendelsohn (Noah_Mendelsohn@lotus.com)
     Lotus Development Corp.
     Hernik Frystyk Nielsen (frystyk@microsoft.com)
     Microsoft
     Satish Thatte (satisht@microsoft.com)
     Microsoft
     Dave Winer (dave@userland.com)
     UserLand Software, Inc.
   Specification document(s):
     SOAP [28]
2.1.100. Header field: Status-URI
  Applicable protocol: http [11]
  Status: standard
```

```
Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
  Specification document(s):
     RFC2518 [10]
2.1.101. Header field: Surrogate-Capability
  Applicable protocol: http [11]
  Status: informational
  Author/change controller:
     Mark Nottingham (mnot@akamai.com)
     Xiang Liu (xiang.liu@oracle.com)
     Oracle
   Specification document(s):
     edge-arch [25]
2.1.102. Header field: Surrogate-Control
  Applicable protocol: http [11]
  Status: informational
  Author/change controller:
     Mark Nottingham (mnot@akamai.com)
     Akamai
     Xiang Liu (xiang.liu@oracle.com)
     Oracle
   Specification document(s):
     edge-arch [25]
2.1.103. Header field: TCN
  Applicable protocol: http [11]
  Status: experimental
  Author/change controller:
     Andrew H. Mutz (mutz@hpl.hp.com)
     Koen Holtman (koen@win.tue.nl)
```

```
Specification document(s):
     RFC2295 [7]
2.1.104. Header field: TE
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.105. Header field: Timeout
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2518 [10]
2.1.106. Header field: Trailer
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
      Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.107. Header field: Transfer-Encoding
  Applicable protocol: http [11]
  Status: standard
```

```
Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.108. Header field: URI
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
      IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2068 [4]
2.1.109. Header field: Upgrade
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.110. Header field: User-Agent
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
```

```
2.1.111. Header field: Variant-Vary
  Applicable protocol: http [11]
  Status: experimental
  Author/change controller:
     Andrew H. Mutz (mutz@hpl.hp.com)
     Koen Holtman (koen@win.tue.nl)
   Specification document(s):
     RFC2295 [7]
2.1.112. Header field: Vary
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.113. Header field: Via
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
   Specification document(s):
     RFC2616 [11]
2.1.114. Header field: WWW-Authenticate
  Applicable protocol: http [11]
  Status: standard
```

```
Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
  Specification document(s):
     RFC2616 [11]
2.1.115. Header field: Want-Digest
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
  Specification document(s):
     RFC3230 [17]
2.1.116. Header field: Warning
  Applicable protocol: http [11]
  Status: standard
  Author/change controller:
     IETF (iesg@ietf.org)
     Internet Engineering Task Force
  Specification document(s):
```

RFC2616 [11]

2.2. Provisional HTTP Header Field Submissions

Header name	Protoco
Compliance	http
Content-Transfer-Encoding	ng http
Cost	http
Message-ID	http
Non-Compliance	http
Optional	http
Resolution-Hint	http
Resolver-Location	http
SubOK	http
Subst	http
Title	http
UA-Color	http
UA-Media	http
UA-Pixels	http
UA-Resolution	http
UA-Windowpixels	http
Version	http

2.2.1. Header field: Compliance

Applicable protocol: http [11]

Status: provisional

RFC 4229

Author/change controller: Jeffrey C. Mogul (mogul@wrl.dec.com) Western Research Laboratory, Digital Equipment Corporation Josh Cohen (josh@netscape.com) Netscape Communications Corporation Scott Lawrence (lawrence@agranat.com) Agranat Systems, Inc.

Specification document(s): OPTIONS messages [31]

2.2.2. Header field: Content-Transfer-Encoding

Applicable protocol: http [11]

Status: provisional

Author/change controller:

Tim Berners-Lee (timbl@w3.org) MIT Laboratory for Computer Science

```
Specification document(s):
     Object Headers [2]
2.2.3. Header field: Cost
  Applicable protocol: http [11]
  Status: provisional
  Author/change controller:
     Tim Berners-Lee (timbl@w3.org)
     MIT Laboratory for Computer Science
   Specification document(s):
     Object Headers [2]
2.2.4. Header field: Message-ID
  Applicable protocol: http [11]
  Status: provisional
  Author/change controller:
      Tim Berners-Lee (timbl@w3.org)
     MIT Laboratory for Computer Science
   Specification document(s):
     Object Headers [2]
2.2.5. Header field: Non-Compliance
  Applicable protocol: http [11]
  Status: provisional
  Author/change controller: Jeffrey C. Mogul (mogul@wrl.dec.com)
     Western Research Laboratory, Digital Equipment Corporation Josh
     Cohen (josh@netscape.com) Netscape Communications Corporation
     Scott Lawrence (lawrence@agranat.com) Agranat Systems, Inc.
   Specification document(s):
     OPTIONS messages [31]
2.2.6. Header field: Optional
  Applicable protocol: http [11]
  Status: provisional
Nottingham & Mogul Informational
```

```
Author/change controller:
     John Mallery (jcma@ai.mit.edu)
     MIT Artificial Intelligence Laboratory
     Lewis Girod (girod@lcs.mit.edu)
     MIT Laboratory for Computer Science
     Benjie Chen (benjie@lcs.mit.edu)
     MIT Laboratory for Computer Science
     Henrik Frystyk Nielsen (frystyk@w3.org)
     World Wide Web Consortium
   Specification document(s):
     WIRE [32]
2.2.7. Header field: Resolution-Hint
  Applicable protocol: http [11]
   Status: provisional
  Author/change controller:
     John Mallery (jcma@ai.mit.edu)
     MIT Artificial Intelligence Laboratory
     Lewis Girod (girod@lcs.mit.edu)
     MIT Laboratory for Computer Science
     Benjie Chen (benjie@lcs.mit.edu)
     MIT Laboratory for Computer Science
     Henrik Frystyk Nielsen (frystyk@w3.org)
     World Wide Web Consortium
   Specification document(s):
     WIRE [32]
2.2.8. Header field: Resolver-Location
  Applicable protocol: http [11]
  Status: provisional
  Author/change controller:
     John Mallery (jcma@ai.mit.edu)
     MIT Artificial Intelligence Laboratory
     Lewis Girod (girod@lcs.mit.edu)
     MIT Laboratory for Computer Science
     Benjie Chen (benjie@lcs.mit.edu)
     MIT Laboratory for Computer Science
     Henrik Frystyk Nielsen (frystyk@w3.org)
     World Wide Web Consortium
```

```
Specification document(s):
     WIRE [32]
2.2.9. Header field: SubOK
  Applicable protocol: http [11]
  Status: provisional
  Author/change controller: Jeffrey C. Mogul (mogul@wrl.dec.com)
     Western Research Laboratory, Digital Equipment Corporation Arthur
     van Hoff (avh@marimba.com) Marimba, Inc.
   Specification document(s):
     Duplicate Suppression [33]
2.2.10. Header field: Subst
  Applicable protocol: http [11]
  Status: provisional
  Author/change controller: Jeffrey C. Mogul (mogul@wrl.dec.com)
     Western Research Laboratory, Digital Equipment Corporation Arthur
     van Hoff (avh@marimba.com) Marimba, Inc.
   Specification document(s):
     Duplicate Suppression [33]
2.2.11. Header field: Title
   Applicable protocol: http [11]
  Status: provisional
  Author/change controller:
      Tim Berners-Lee (timbl@w3.org)
     MIT Laboratory for Computer Science
   Specification document(s):
     Object Headers [2]
2.2.12. Header field: UA-Color
  Applicable protocol: http [11]
  Status: provisional
```

```
Author/change controller:
     Larry Masinter (LMM@acm.org)
     Adobe Systems
     Lou Montulli (montulli@netscape.com)
     Netscape Communications Corp.
     Andrew H. Mutz (mutz@hpl.hp.com)
     Hewlett-Packard Company
   Specification document(s):
     UA Attributes [30]
2.2.13. Header field: UA-Media
  Applicable protocol: http [11]
  Status: provisional
  Author/change controller:
     Larry Masinter (LMM@acm.org)
     Adobe Systems
     Lou Montulli (montulli@netscape.com)
     Netscape Communications Corp.
     Andrew H. Mutz (mutz@hpl.hp.com)
     Hewlett-Packard Company
   Specification document(s):
     UA Attributes [30]
2.2.14. Header field: UA-Pixels
  Applicable protocol: http [11]
  Status: provisional
  Author/change controller:
     Larry Masinter (LMM@acm.org)
     Adobe Systems
     Lou Montulli (montulli@netscape.com)
     Netscape Communications Corp.
     Andrew H. Mutz (mutz@hpl.hp.com)
     Hewlett-Packard Company
   Specification document(s):
     UA Attributes [31]
```

```
Applicable protocol: http [11]
  Status: provisional
  Author/change controller:
     Larry Masinter (LMM@acm.org)
     Adobe Systems
     Lou Montulli (montulli@netscape.com)
     Netscape Communications Corp.
     Andrew H. Mutz (mutz@hpl.hp.com)
     Hewlett-Packard Company
   Specification document(s):
     UA Attributes [30]
2.2.16. Header field: UA-Windowpixels
   Applicable protocol: http [11]
   Status: provisional
  Author/change controller:
     Larry Masinter (LMM@acm.org)
     Adobe Systems
     Lou Montulli (montulli@netscape.com)
     Netscape Communications Corp.
     Andrew H. Mutz (mutz@hpl.hp.com)
     Hewlett-Packard Company
   Specification document(s):
     UA Attributes [30]
2.2.17. Header field: Version
  Applicable protocol: http [11]
  Status: provisional
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   Specification document(s):
     Object Headers [2]
```

2.2.15. Header field: UA-Resolution

3. IANA Considerations

This specification provides initial registrations of HTTP header fields in the "Permanent Message Header Field Registry", defined by Registration Procedures for Message Header Fields [1].

It also provides initial submissions of HTTP header fields in the "Provisional Message Header Field Repository", defined by the same document.

4. Security Considerations

No security considerations are introduced by this document beyond those already inherent in use of the HTTP header fields referenced.

5. Acknowledgements

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